

Peer Review Plan

Preliminary Title: Nonresponse Bias Analysis of BMI Data in the Eating & Health Module

Type of Report
(ERR, EIB, EB) TB

Agency: Economic Research Service [X] Influential Scientific Information
USDA [] Highly Influential Scientific Assessment

Agency Contact: Elise Golan, egolan@ers.usda.gov

Subject of Review: This report presents analysis on the respondents who did not report height and/or weight in the American Time Use Survey Eating & Health Module. The resulting missing values for Body Mass Index (BMI) for these respondents presents the possibility that analysis on BMI and time use using this survey could be biased. Nonresponse bias would occur if those who did not report height and/or weight had different characteristics, and in particular, different time use patterns than those who reported both height and weight. The American Time Use Survey and Eating & Health Module data for 2006-08 were used for this report. Descriptive statistics on the characteristics of the BMI nonrespondents were analyzed. Data quality measures were used as indicators of respondents' reluctance or uncooperativeness for participating in the ATUS. Multivariate analysis was performed on respondents' demographic and survey characteristics. A measure of dissimilarity was used to compare time profiles across BMI groups to determine which BMI group the missing BMI respondents were most like in terms of activities reported in their time diaries.

Purpose of Review: The purpose of the review is to ensure the high-quality of the economic analysis, transparent explanation of methods, objective interpretation of results, and effective communication to the intended audience.

Type of Review: [] Panel Review [X] Individual Reviewers

[] Alternative Process (Briefly Explain):

Timing of Review (Est.): Start: 07/21/11 End: XX/XX/XX Completed: XX/XX/XX

Number of Reviewers: [] 3 or fewer [X] 4 to 10 [] More than 10

Primary Disciplines/Types of Expertise Needed for Review: Economists

Reviewers selected by: [X] Agency [] Designated Outside Organization

Organization's Name:

Opportunities for Public Comment? [] Yes [X] No

If yes, briefly state how and when these opportunities will be provided:

How:

When:

Peer Reviewers Provided with Public Comments? [] Yes [X] No

Public Nominations Requested for Review Panel?

☐ Yes

☒ No

